

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
DEPARTMENT OF CHEMICAL ENGINEERING**

Dated-10/05/2024

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal Investigator Prof. Prakash Biswas, Department of Chemical Engineering, Indian Institute of Technology Roorkee.

1. **Title of project-** Development of a process for selective conversion of carbon dioxide (CO₂) to lower olefins (ethylene, propylene, and butylene).
2. **Sponsor of the project:** Indian Oil Corporation Limited (IOCL)
3. **Project position(s) and number-** Junior Research Fellow (JRF); 01 (one)
4. **Qualifications-** CSIR/UGC-NET/GATE qualified M.Tech./M.E. or equivalent in Chemical Engineering/Chemical Technology/Allied disciplines in Engineering and Sciences. B.Tech./B.E. in the above disciplines with a minimum CGPA of 8.0/10 graduated from a Centrally Funded Technical Institute (CFTI) with valid GATE score are also eligible. CSIR/UGC-NET/GATE score should not be more than 5 years old.
5. **Emoluments-**

Sl. No.	Item	Rates
1.	Current fellowship rates payable by IOCL per month	JRF: Rs 31,000/- + HRA for initial two years (per month per candidate) SRF: Rs 35,000/- + HRA for the next three years (per month per candidate)
2.	Additional Fellowship 25%	JRF as above + Rs 7,750/- (per month per candidate) SRF as above + Rs 8,750/- (per month per candidate)
3.	Contingency Grant	Rs 20,000/- (Twenty Thousand only) per year per candidate

Selected candidates shall be considered as IOIITR Research Fellows. They shall receive 25% higher emoluments with respect to a JRF/SRF candidate for a period up to 5 years or completion of Ph.D., whichever is earlier.

6. **Duration-** Maximum 5 years
7. **Job Description-** Catalyst synthesis, catalyst characterization, catalytic performance evaluation, and micro-kinetic modeling.

1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
2. Candidates desiring to appear for the interview should submit their application with the following documents to the office of Principal Investigator through email by post or produce at the time of interview:
 - Application in a plain paper with detailed CV including chronological discipline of degree/certificate obtained.
 - Experience including research industrial field and others.
 - Attested copies of degree/certificate and experience certificate.
3. Candidate shall bring along with them the original degree (s)/certificate (s) and experience certificate (s) at the time for verification.
4. Preference will be given to SC/ST candidates on equal qualification and experience.
5. Please note that no TA/DA is admissible for attending the interview.

Note: The selected candidate will get an opportunity for admission to the Ph.D. program only after approval from the Director of R&D, IOCL.

The last date for application to be submitted to office of Principal Investigator is 25/05/2024 by 5 PM.

The interview will be held at Department of Chemical Engineering on 30/05/2024 (tentative).

Tel: 01332-285820 (Office); +91-812-684-9030 (Mob.)

Email: prakash.biswas@ch.iitr.ac.in

**Name and Signature
of Principal Investigator**

Copy to:

1. Dean, SRIC, IIT Roorkee
2. All head of Departments and Centers
3. All Concerned Institutes in India
4. All Notice Boards, IIT Roorkee
5. Head IIT Roorkee Employment Bureau
6. Head Computer Center (With a request to display the advertisement on the Institute Website)
7. Librarian, Central Library, IIT Roorkee
8. Various other Chemical Engineering/Chemistry Departments (viz. IITs, Central Universities, NITs etc.)

Approved

डीन (सिक)/Dean SRIC
भा. प्रौ. सं. रुड़की/IIT Roorkee

Prakash Biswas
10/05/2024 10/5/24 10/5/24